



## **SAFETY DATA SHEET**

### **AEROCOAT (White)**

Date of issue : September 16, 2017

Revision : 01

SDS Number : MD-001

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#### **1. PRODUCT AND COMPANY IDENTIFICATION**

Identification of Product	:	Pure Acrylic Emulsion Paint
Trade Name	:	AEROCOAT (White)
Manufacturer	:	Aeroflex Co., Ltd.
Supplier	:	Airefrig Australia Pty Ltd
.	:	75 Beechboro Road, Bayswater, WesternAustralia
Telephone Number	:	08 9272 8977
Fax number	:	08 9370 2868
Email Address	:	<a href="mailto:sales@airefrig.com.au">sales@airefrig.com.au</a>

#### **2. HAZARD IDENTIFICATION**



**GHS09**

##### **(GHS Classification)**

Physical Hazard	:	Non-inflammable
GHS Classification	:	Not a hazardous substance or mixture
GHS Label elements	:	Not a hazardous substance or mixture
Other hazards	:	None known
Signal word	:	No Hazard Statement
Environmental hazards	:	May cause damage to aquatic environment



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### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>No. Component / Chemical Name</b>	<b>CAS No.</b>	<b>Composition Wt. (%)</b>
1) CALCIUM CARBONATE	72608-12-9	3
2) PROPYLENE GLYCOL	63625-56-9	1
3) ALUMINIUM HYDROXIDE	21645-51-2	7
4) ACRYLIC BINDER	25852-37-3	35
5) WATER	7789-20-0	30.8
6) TITANIUM DIOXIDE	13463-67-7	20
7) IRON OXIDE YELLOW	51274-00-1	1.7
8) BIOCIDES (Preservatives for surface coatings)	-	0.5
9) BIOCIDES (Preservatives for products in storage)	-	0.3
10) 2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE	25265-77-4	0.5
11) CARBON BLACK	1333-86-4	0.1
12) PIGMENT BLUE	147-14-8	0.1

### **4. FIRST-AID MEASURES**

#### **Inhalation**

If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

#### **Eye contact**

Immediately flush eyes with plenty of water for 15 or 20 minutes. Get medical attention.

#### **Ingestion**

If swallowed, do not induce vomiting. Get medical attention immediately.

#### **Skin Contact**

Immediately wash area thoroughly with soap and plenty of water.



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## **5. FIRE - FIGHTING MEASURES**

### **Extinguishing Media**

Use carbon dioxide, dry chemical powder, foam, water.

### **Fire Fighting**

Wear self contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **Instructions**

Shut off supply; if not possible and no risk, let fire burn itself out and remove immediately flammable matter

Use specified extinguisher or extinguishing equipment.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **In the event of a small spill**

Absorb spill with dry sand) or other non-flammable matter, collected and disposed of as hazardous waste.

### **In the event of a large spill**

Cover with absorbant material (dry sand or other non-flammable matter).

Do not absorb in saw-dust or other combustible absorbants.

Wear proper protectors gloves, respirator, safety goggles, etc.

Collect leaking liquid in sealable (metal/plastic) containers.

To clean all objects contaminated and avoid run-off into storm sewers, ditches and waterways.



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## **7. HANDLING AND STORAGE**

### **Handling Condition**

Use with adequate ventilation. Avoid breathing vapour and wear proper protectors to prevent contact with eyes, skin and clothing.

Wash thoroughly hands and face after handling.

Install proper local ventilator and wear proper protector in closed space.

### **Storage**

Store in a cool dry, well ventilated area, avoid direct sunlight . Keep container tightly closed when not in use.

### **Storage temperature**

Ambient temperature

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## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

### **Engineering Controls**

Use explosion proof type equipment

Install proper exhaustor to prevent concentrating of vapour.

Ground equipment for fluid transfer, pumping and stirring.

In application in closed space or the like tanks, install equipment which can sufficiently ventilate even its bottom.

### **Personal Protection**

#### **Hand Protection Description**

Wear impervious protective PVC gloves to prevent contact with organic solvent.

#### **Eye/Face Protection**

Wear protective eyewear (goggles, face shield, or safety glasses).

#### **Respiratory Protection**

Wear suitable mask and air filtering respiratory.

#### **Skin and Body Protection**

Wear suitable protective clothing to avoid direct contact of skin.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance	:	Liquid
Colour	:	White
PH	:	8.5-9.0
Vapour Density	:	No data
Specific gravity	:	1.200 +0.05 g/cm <sup>3</sup>
Molecule Formula	:	Mixture
Molecule Weight	:	Mixture
Flashpoint	:	No Data
Melting point	:	No Data
Boiling point range	:	No Data
Auto ignition point	:	No Data
Water solubility	:	No Data
Other	:	No Data

### 10. STABILITY AND REACTIVITY

Chemical Stability	:	Stable under normal temperatures and pressure
Condition to Avoid	:	None known.
Materials to Avoid	:	Strong oxidizing agents.
Decomposition Products	:	Incomplete combustion may produce carbon monoxide and other toxic gases.

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity information	:	Not classified based on available information
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#### Ingredients:

#### 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Acute oral toxicity	:	LD50 Oral (Rat): 6,500 mg/kg
Acute inhalation toxicity	:	LC50 (Rat):>3.55mg/l, Exposure time: 6h. Remarks: (highest concentration tested)
Acute dermal toxicity	:	LD50 Dermal (Rabbit):>15,200 mg/kg



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#### **PROPYLENE GLYCOL:**

**Acute oral toxicity** : LD50 Oral (Rat):>22000 (OECD 401)

**Acute dermal toxicity** : LD50 Dermal (Rabbit):>2000 mg/kg

**Skin corrosion/irritation** : Not classified based on available information

#### **Ingredients:**

##### **2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**

Species: Rabbit

Exposure time: 4h

Result: slight

Serious eye damage/eye irritation : Causes eye irritation

#### **Ingredients:**

##### **2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**

Species: Rabbit

Result: slight

#### **Respiratory or skin sensitization:**

**Skin sensitization** : Not classified based on available information.

**Respiratory sensitization** :Not classified based on available information.

#### **Ingredients:**

##### **2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**



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Test Type: Skin Sensitization

Species: Guinea pig

Result: non-sensitizing

Germ cell mutagenicity : Not classified based on available information.

#### **Ingredients:**

#### **2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**

**Genotoxicity in vitro** : Test type: Mutagenicity – Bacterial  
: Metabolic activation: +/- activation  
Result negative  
: Test type: Chromosome aberration test in vitro  
: Metabolic activation: +/- activation  
Result: negative  
Remarks: Read across from a similar material  
: Test type: Mutagenicity – Mammalian  
: Metabolic activation: +/- activation  
Result: negative  
Remarks: Read across from a similar material  
: Test type: Mutagenicity – Mammalian  
Species: Mouse  
Application route: oral: gavage  
Result: negative

**Carcinogenicity** : Not classified based on available information

**Reproductive toxicity** : Not classified based on available information

**STOT- single exposure** : Not classified based on available information

**STOT-repeated exposure** : Not classified based on available information

**Repeated dose toxicity**



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#### Ingredients:

**2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:** Species: Rat  
NOAEL: 1,000 mg/kg  
Application route: by gavage  
Exposure time: 51 d

**Aspiration toxicity** :Not classified based on available information

## 12. ECOLOGICAL INFORMATION

#### Eco-toxicity

#### Ingredients:

**2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**

**Toxicity to fish** :LC50 (Pimephales promelas (fathead minnow)): 33mg/l  
Exposure time: 96h

**Toxicity to daphnia and other aquatic invertebrates** :EC50(Daphnia magna  
(Water flea)): 147.8 mg/l  
Exposure time: 48 h

**Toxicity to algae** :Erc50 Pseudokirchneriella subcapitata (algae)): 15 mg/l  
Exposure time 72 h

#### Persistence and degradability

#### Ingredients:

**2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**

**Biodegradability** :Result: Readily biodegradable.  
Biodegradation:>77%, Exposure time: 28 d  
Method: Ready Biodegradability: CO2 Evolution Test

#### Bioaccumulative potential

#### Ingredients:

**2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:**





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**Partition coefficient** : n-octanol/water: low pow: 3.2 (25deg.C)

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## **13. DISPOSAL CONSIDERATION**

: This material and its container must be disposed of as hazardous waste.

: Dispose of wastes in an approved waste disposal facility.

: Do not empty into drains.

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## **14. TRANSPORT INFORMATION**

**IATA-DGR** : Not regulated as a dangerous goods

**IMDG-Code** : Not regulated as a dangerous goods

**Transport in bulk according to annex 11 of MARPOL 73/78 and the IBC Code** : Not applicable for product as supplied

**Domestic regulation** : Not regulated as a dangerous goods

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## **15. REGULATORY INFORMATION**

**Thai regulation** : Hazardous substance (Praradbunyut 2535)  
: Volatile Organic Content in air

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**16. OTHER INFORMATION**

**Reference data** : Globally Harmonized System of Classification and labeling of chemicals – GHS

**Abbreviation:**

**CLP: EU Regulation (EC) No. 1272/2008 on classification, labeling and packaging of chemical substances and mixtures.**

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